

Remember!

that the February meeting of the LARC will be held at the 55+ Centre on River Street at 7:30 on February 13 in Craft Room 1. This is in the same hallway as VE3SAO. This is the regular date and time just a change of venue.



The 2014 Sleeping Giant Loppet is slated for March 1st. Volunteers are needed - contact Jeff Cederwall VE3JTD ve3jtd@gmail.com if you can help out. Check out the Loppet website for more info <http://www.sleepinggiantloppet.ca/>

THE LARC AT 80

Since leaving Thunder Bay we have not been too active on the HF Bands. The main activity has been focused on the work with OPG until retirement a few years ago. The other interest we had was with Horses. We enjoy Horse back riding and Horse Competition "CUTTING HORSE EVENTS". Both Dianne & I were involved with this sport for many years, here in Ontario and many USA states. We also raised & had a young colt trained and successfully shown in these competitions over the last 8 years. Just recently had the opportunity to sell the colt (family member), so we are now free to do other things. We are moving away from Simcoe, Ontario to Cobourg soon, to be closer to Dianne's family on the otherside of Toronto. We will plan to travel a little and start using our Ham Radio equipment a more. Activity the last year has been on DSTAR (Icom 2820H & Dvap), HF I use a Icom 718 with the rotatable Buddipole. This portable station has been fun and successful. We still enjoy making antenna's (OCF dipole - 80-10 meters), operating away from the apartment in the parks / country side. I have become

interested in magnetic loop antennas so I have just this week purchased a older used version AEA ISOLOOP to try on the balcony from Cobourg. So the interest is still there for HAM RADIO. Enjoy going to Flea Markets in southern Ontario as a seller and buyer. Technology is moving very quickly sometimes hard to keep up. Many other avenues to consider like Remote HF Station operation, Voip simulation on the Internet very interesting operation from computer without antenna..... We do plan a trip back to Thunder Bay in 2014 (Spring / early Summer). Maybe a few hours will be done in Coffee shops visiting with many old acquaintances from years gone by !!

73 Vic & Dianne VE3JAR & VE3JAW

"A big congratulations to the LARC on your 80th anniversary!

I remember going to the 40th anniversary dinner at the Royal Edward Hotel at age 15, and being in the company of some incredible "radio men" It was an "all guy" event back then.

I along with a small group of mostly teens attended code and theory classes under the direction of Bruce Binnie VE3GHB in the fall of '73 in the (now demolished) EMO building at the corner of Victoria & Waterloo Streets. Bruce was VERY entertaining to say the least!

Coral -VA2CS and I moved to Aylmer QC in the the fall of '94, but Thunder Bay is still "home" and I can't believe 20 years have passed!

My Dad, Charlie VE3EUL (SK) lived an hour away from us, and my "harmonics" were thankful to have a grandpa close-by until 2009.

I'm not all that active anymore, but I've always had an operational station, and currently have a Yaesu FT-2000, and a 35' remotely tuned vertical as part of my shack.

Onward to 2034!

73 DE Gary VE2GK (ex VE3HJS & VE3CK) and Coral Spence VA2CS (ex VE3PHR)"

LARC SENATE

Robert Hansen VE3RVA
 Dave Kimpton VE3AVS
 Laurie Bridgett VE3BCD
 Terry Stewardson VA3LU
 Ed Baumann VE3SNW

LARC EXECUTIVE

**President - Jeff Cederwall
 VE3JTD**

**Vice President - Bob Hanson
 VE3RVA**

**Secretary - Karl Hamilton
 VE3RRP**

Treasurer -Bill Unger VE3XT

Directors

**Brad Harris VE3MXJ
 Andy Malcolm VE3INI
 Lori Bedford VE3VAI
 Terry Stewardson VA3LU**

LARC Emergency Coordinator

Brad Harris VE3MXJ 767-0628

**ARES District Emergency
 Coordinator**

VE3FAL Fred Lesnick 577-0789

CANWARN

**VA3JMS John 767-3631
 VE3MXJ Brad 767-0628**

Public Service Events

VA3JMS John 767-3631

Accredited Examiners

**VE3FAL Fred Lesnick 577-0789
 flesnick@tbaytel.net
 VE3VAI Lori Bedford 622 – 6386
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ABOUT US

The Lakehead Amateur Radio Club (LARC) is an incorporated not for profit group of amateur radio operators in the Thunder Bay area that meet for self education, community service and fellowship. Our meetings are the second Thursday of the month at room 191 McIntyre Building, Confederation College, 7:30 PM. Our postal address is 1100C Memorial Ave. Suite 184, Thunder Bay, Ontario P7B 4A3. This newsletter is published monthly except for July and August by Ed Baumann VE3SNW and questions and submissions may be emailed to ve3snw@shaw.ca

Nets in the Thunder Bay Area

Sunday AMETHYST ARES VHF NET, on VE3TBR 146.820- pl 107.2 IRLP Ref. # 9031 @ 0045Z (7:45 pm), also Cook County ARES Response Team (CARRT) net at 0100Z (8 pm) on the BWARC repeater, Grand Portage repeater - 146.655 with CTCSS 151.4

Monday SATERN NET on VE3TBR 146.820- pl 107.2 IRLP Ref. # 9032

SATERN DIGITAL NETS on **Monday & Wednesday** nights

8 pm- 14.065

9 pm- 7.065

10 pm- 3.5835

Mode :Olivia 8/500 1000Hz waterfall centre

Tuesday 2M/ LARC ARES NET on VE3YQT 147.060- @ 7:00PM ET, and after this net is the new THUNDER BAY ARES DIGITAL NET on PSK31 between 1000 & 2000 WATERFALL 145.050 FM mode @ 7:30PM (usually starts after the 2m/ ares net)

Every Day The NORTHWESTERN ONTARIO ARES NET , every evening at 8:15PM (local) on 80m 3.750Mhz (note the time does not change with daylight savings time.)

Any questions on these or other nets please feel free to contact me at my e-mail: ve3mxj@rac.ca

LARC OPEN ACCESS REPEATERS

VE3YQT(Mount Baldy)147.060 (-600) Phone Patch

VE3TBR (St. Joseph's) 146.820 pl 107.2

**442.075 (+5 MHz)pl 100
 144.390 APRS**

VE3UPP Upsala 145.470 (-600)

THE LARC AT 80

I received the call VE3BHS in September of 1953. My first TX was a 6AG7 xtal oscillator feeding a 807 final. I operated on 7174 just outside the US Novice band and later on 7010 and 7040. The receiver was a Hallicrafters S77A. When I went to work in the summer for the Department of Lands and Forests at the Mc Diarmid station on Lake Nipigon, I put together a Heath DX-35 in 1956 and went "all-bands" and with a VF-1 VFO and a phone licence, running anything from 25W on 40m to about 5W on 10m! I graduated to a National NC-173 receiver and a Cubical Quad antenna on 20m which brought me DXCC Mixed and then Phone DXCC on AM. Dipole antennas were used on other bands including 11m where I participated in not only the DX contests but in the "Save Eleven Metres" contest just before CB was born. In 1961 I QSY'd to Toronto by then using a little Double Sideband Suppressed carrier outfit by WRL, a poor man's SSB, 20W per sideband!. My Elmers included Bill, VE3ARN, Bert, VE3ANP and Hec, VE3DMZ. Other notables were VE3FW, VE3AJ, VE3AIT, VE3HU, VE3GS plus a host of others. It was a great gang!

Congratulations to LARC on 80 years. See you for the Centennial!

73 Bob Nash VE3KZ

Arecibo Observatory Club to Establish New Amateur Radio Station

The Arecibo Observatory Amateur Radio Club (KP4AO) is setting up a new Amateur Radio station in the facility's Angel Ramos Visitor Center exhibition. Club President Angel Vazquez, WP3R, said the new station will offer an opportunity to showcase ham radio to the thousands who visit the observatory each year. The announcement came during a behind-the-scenes tour of the deep-space radiotelescope campus, held in conjunction with the recent ARRL Puerto Rico Section Convention in Hatillo.

The Arecibo Observatory recently celebrated its 50th anniversary, and KP4AO hosted a special event for the occasion. The new KP4AO station is expected to be completed in about 3 months.

New Frequencies!

3-1 Industry Canada will allow amateur radio operators to use the 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz and 5405 kHz frequencies on a no-interference, no-protection basis.

3-2 Industry Canada will not allow amateur radio operators to use the 5329 kHz frequency.

For the frequencies centred on 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz and 5405 kHz:

4-1 Amateur stations will be allowed a maximum bandwidth of 2.8 kHz.

4-2 Amateur stations will be restricted to the following emission modes and designators: telephony (2K80J3E), data (2K80J2D), RTTY (60H0J2B) and CW (150HA1A).

4-3 Amateur stations will be allowed to operate with a maximum effective radiated power of 100 W PEP.

Read the official announcement at <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10623.html>

And make sure you read and understand the operating standards <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10650.html>



Mounting Magnetic Paddles to Aluminum Cased Radios

by Phil Moorey VE3AXL

I have the little Elecraft KX1 (<http://www.elecraft.com/>) that has a powdered aluminium case. I also have the Palm Pico paddles (<http://www.palm-radio.de/english/eppaddle.html>) that have a magnetic mount. I wanted to try mounting the paddles to the radio to make it easier to operate

Magnets won't stick to aluminium. So I took a thin piece of tin and mounted it to the KX1 with double face carpet tape. >>**Caution**<< Double face *foam* tape may allow movement and is difficult to remove! The tin was cut to fit the side of the KX1 but making allowance for the earphone jack Matching black paint was applied and then a plastic spray coat. Once dry, the metal piece was applied to the side of the KX1 and pressed firmly in place. If for some reason you wish to remove this metal piece just warm it up with a hair dryer and everything comes off easily



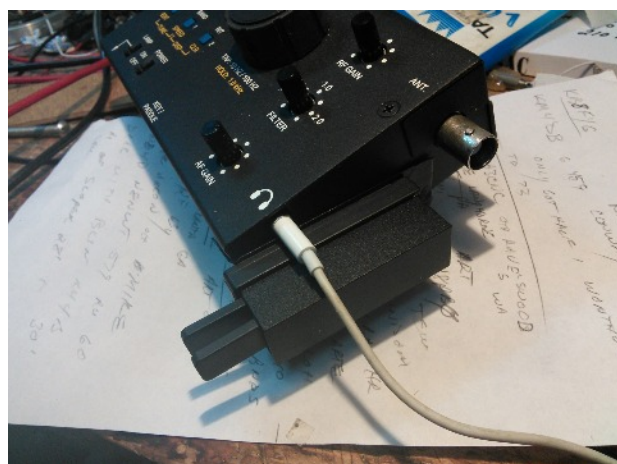
Piece of tin, cut and painted.



Carpet tape applied



Tin piece stuck in place



The little Palm Pico paddle with its magnetic base now sticks securely to the radio. It can be quickly removed and there are no screw's and nothing protruding from the radio The next project is to do the same to the KX3

First Weekend in February!

If it's the first weekend in February it could only mean one thing. It's time to participate in the Freeze Your Buns Off Contest or FYBO for short.

FYBO is a contest where operators operate from the field and in our case it can be very, very cold here in NW Ontario. For us that is a bonus as one of the multipliers is based on the operating location temperature. We have it all over those wimps who operate in Florida and Arizona! If anything the multiplier only goes as low as -20F and we need a larger multiplier for those -40 days.

Members of the LARC started participating nearly 20 years ago at Birch Point on Boulevard Lake. As time went on and we got older we moved the venue to the 55+ Centre. A place to warm up and central plumbing proved to be a sirens song to move there.

As you can see from the photos not only is operating an important part of FYBO, just as important is good food. After being outside in some cool weather nothing hits the spot like a big bowl of hot soup and some buns. For those of you who are healthy food conscious we also keep you in mind. There was also Tim Bits and sugar cookies. When washed down with hot coffee it must have some nutritional value?

In looking at our final QSO numbers, I don't think we will be winning any awards but if it comes to the group having the most fun we were winners.

As you can see from this and another article in Hi-Q the Amateur Radio group at VE3SAO at the 55+ Centre is a very active group. We are always looking for new members and please feel free to contact any of use on how to join our group. We typically meet on Sunday afternoons from 2 to 5 PM in the VE3SAO Ham Shack. Drop in any Sunday for a tour.

Also don't forget that the February 13 meeting of the LARC will be held at the 55+ Centre on River St.



Who Had More Fun?

Members of the Seniors Amateur Radio Club were approached by the 84th Astra Air Cadet Squadron to put on a presentation about Amateur radio. After some brainstorming we settled on an action plan and would demo CW and decode a Nondirectional Beacon from the airport, a short demo on the PICAXE uController and set up a Broad Band Ham Net MESH network. The staff at 55+ was very accommodating and encouraged us in this endeavour and we want to thank Phil, VE3AXL, Mike, VE3EDX some instruction on CW and the Lori, VE3VAI and Robert, BBHN MESH network. They dio room to the main auditorium brand new technology and very I gave a demo on the PICAXE writing software and program-minutes.

Also as part of the program, Bay Royal Astronomical Society. Unfortunately the clouds did not cooperate and he was not able to get outside but gave a very engaging talk never the less.

As you can see from the photos I'm not sure who had a better time, the cadets or the Amateurs who got an opportunity to demo Amateur Radio.

There were two comments from the cadets that made us all pretty pleased. When asked if any cadets had considered a career in communications, one said he never thought of it, but would now consider it. One of the female cadets said she was taking programming at high school but the PICAXE was really cool as well. Her teacher and school shall forever remain anonymous.

Bill VE3XT



them for their support.

and Bob, VE3RVA gave the cadets cadets enjoyed this activity.

VA3ROM set up a demo of the wirelessly routed info from the ra-using reflashed routers. This is impressive.

uController and had the cadets ming a uController in under 20

Brendan Roy from the Thunder ty was there to speak about astron-



North East Ontario Regional Directors Report for February, 2014



Last month I was remiss in my report for not thanking Jeff Stewart, VA3WXM for all his work as Director for Ontario South. In two years he was instrumental in the reorganisation of the Ontario Section from 1 to 4 sections. He was also was part of the team that obtained an exemption for Ontario Drivers. But most important of all he was a decent guy and great to work with. I want to say thank you Jeff for all your assistance in furthering the cause of RAC.

Along the same lines I want to welcome Rod Hardman, VE3RHF as the new Director for Southern Ontario and I look forward to working with you for the remainder of the year.

And finally I want to thank Dan Howard, VA3MA who is moving from Bobcaygeon to Etobicoke. I want to thank him and all the Assistant Directors who tirelessly assist in keeping RAC front and centre in their respective communities. If you're interested in helping let me know at the email address below. Thanks.

As you are probably now aware on January 22 Industry Canada (IC) released a document called "Policy and Technical Framework for Amateur Service Use in the 5 MHz Band." The decision is as follows "Industry Canada will allow amateur radio operators to transmit on the following five centre frequencies: 5332 kHz, 5348 kHz, 5358.5 kHz, 5373 kHz, and 5405 kHz. Amateur stations are allowed to operate with a maximum effective radiated power of 100 W PEP and are restricted to the following emission modes and designators: telephony (2K80J3E), data (2K80J2D), RTTY (60H0J2B) and CW (150HA1A)." This was a long time coming and RAC lobbied hard on behalf of all Canadian Amateurs and we are all pleased to see it to come to fruition. The complete document is available from the following link:

<http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/home?OpenDocument>

On the same day IC released an updated RBR-4 — Standards for the Operation of Radio Stations in the Amateur Radio Service. This document among other things lists our bands, power and type of emissions in them. One highlight is the listing of a new band in the 135.7 to 137.8 kHz range. As noted above it also allows us to operate not only voice in the new 5 MHz frequencies but also operate digital and CW. The complete document is available here: <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf10650.html>

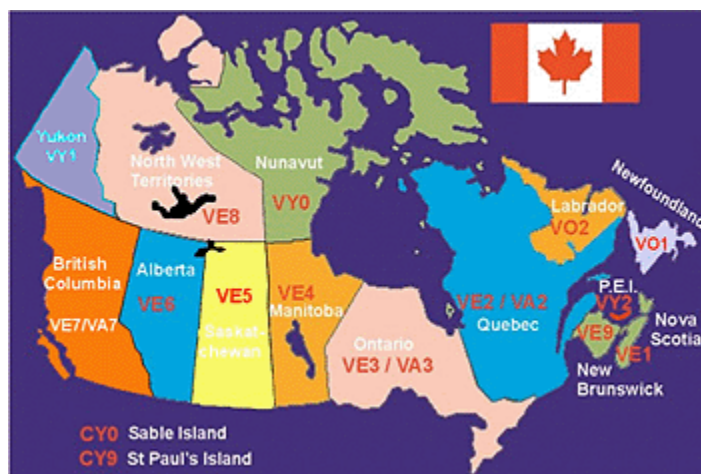
These are another two things the volunteers and RAC executive is doing and will continue to advocate on behalf of all Canadian Amateurs.

Another new reason why you should consider membership in RAC is because of QSL's and Canada Post. To send one QSL internationally now costs \$1.85 per card. At \$48 for an eTCA and the outgoing QSL service it would only take 25 cards to break even.

I was supposed to talk about RAC membership numbers in this report but got caught up in the new frequencies allotted to all Canadian Amateurs. Stay tuned for this next month.

If you have any questions or concerns please email me at ve3xt@rac.ca

Bill VE3XT



Lakehead Amateur Radio Club

January 2014 Treasurers Report

Balance January 01 2014 **\$1,421.41**

Income

Transfer from trailer fund for tarp	\$33.21
50/50	\$7.00
Transfer from trailer fund for insurance	\$136.18

Total Income **\$176.39**

Expenses

TB Tel Cell	\$0.57
Confederation College room rental	\$84.75

Total Expenses **\$85.32**

Balance January 31, 2014 **\$1,512.48**

<u>Trailer Account</u>	
Previous Balance	\$954.22
<u>Income</u>	
January 31 Interest	\$0.08
Total	\$954.30
<u>Expenses</u>	
Trailer Insurance to LARC	\$136.18
<u>Transfer Tarp expense to LARC</u>	\$33.21
Total Expenses:	\$169.39
Balance in Trailer Account	<u>\$784.91</u>

Term Account

Balance January 01 2014	\$2,031.79
Interest January 04 2014	\$0.67
Balance January 31 2014	\$2,032.46

Bill Unger VE3XT
Treasurer

February 2014

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1 FYBO	2
3	4	5	6	7	8	9
10	11	12	13 LARC Meeting at the 55+ (VE3SAO)	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	1 Sleeping Giant Loppet	